



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

BRIAN P. DWYER et al.

Serial No.: 09/775,840

Filed: January 31, 2001

For: WATER-SOLUBLE, FLUORESCENT, &
ELECTROPHORETICALLY MOBILE
PEPTIDIC SUBSTRATES FOR ENZYMATIC
REACTIONS AND METHODS FOR THEIR
USE IN HIGH-THROUGHPUT SCREENING
ASSAYS

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicant is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

CERTIFICATE OF MAILING
(37 C.F.R. §1.10)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as 'Express Mail Post Office To Addressee' in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

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May 2, 2001
Date of Deposit

Lynne Fulmer

Name of Person Mailing Paper

Lynne Fulmer
Signature of Person Mailing Paper--0

INFORMATION DISCLOSURE STATEMENT FILING PROVISION:

☒ This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d); or (2) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (3) before the mailing of a first Office action on the merits; or (4) before the mailing of a first Office action after filing a request for continued examination under § 1.114. Thus, no fee is required.

☒ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.

☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.

☐ This IDS is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office action on the merits, but before a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311.

☐ The fee due under 37 CFR § 1.17(p) is submitted herewith.

☐ A statement under 37 CFR § 1.97(e) is included below, thus no fee is required. In the event that this IDS is not received before a Final Action or a Notice of Allowance, then Applicant respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR § 1.97(d) and charge the fee due under 37 CFR § 1.17(p) to the deposit account below.

☐ This IDS is being submitted under 37 CFR § 1.97(d), that is after a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee. A statement under 37 CFR § 1.97(e) is included below. The fee due under 37 CFR § 1.17(p) is submitted herewith.

STATEMENT UNDER 37 CFR § 1.97(e):

☐ Each item contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☒ No item contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this statement after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this IDS.

PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:

☐ A check in the amount of _____ is enclosed for the above fee(s).

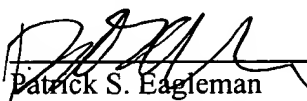
☐ Please charge _____ to Deposit Account No. **12-2475** for the above fee(s).

The Commissioner is authorized to charge any fees required by the filing of these papers, and to credit any overpayment to Lyon & Lyon's Deposit Account No. **12-2475**.

Respectfully submitted,
LYON & LYON LLP

Dated: May 2, 2001

By: _____


Patrick S. Eaglemen
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FORM PTO-1449	ATTY. D. [REDACTED] ET NO. 257/245	SERIAL NO. 09/775,840 #3
LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		
APPLICANT: Brian P. Dwyer and John R. Havens		FILING DATE: January 1, 1998
		GROUP: Not Yet Assigned

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
MCE	5,120,644	6/9/1992	Ikenaka et al.			
	5,141,852	8/25/1992	Egan et al.			
	5,532,167	6/2/1996	Cantley et al.			
	5,580,747	12/3/1996	Shultz et al.			
MCE	6,004,757	12/21/1999	Cantley et al.			
	_____	_____	_____			

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
	_____	_____	_____	_____	_____	_____	_____

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
MCE		Coffin, Jill et al., "Detection of Phosphopeptides by Fluorescence Polarization in the Presence of Cationic Polyamino Acids: Application to Kinase Assays," Analytical Biochem. 278, 206-212 (2000)
		Gaertner, Hubert F. et al., "Site-Specific Attachment of Functionalized Poly(ethylene glycol) to the Amino Terminus of Proteins," Bioconjugate Chem. 1996, 7, 38-44
		Kemp, Bruce E. et al., "Design and Use of Peptide Substrates for Protein Kinases," Methods in Enzymology, Vol. 200, pp 121-134
		Lam, Kit S. et al., "Identification and characterization of a novel synthetic peptide substrate specific for Src-family protein tyrosine kinases," Int. J. Peptide Protein Res. 4,5, 1995, 587-592
		Lam, Kit S. et al., "Application of "One-Bead One-Compound" Combinatorial Library Methods in Signal Transduction Research," Life, Sciences, Vol. 62, Nos. 17/18, pp. 1577-1583, 1998
		Lou, Qiang et al., "Identification of GIYWHY as a Novel Peptide Substrate for Human p60 ^{src} Protein Tyrosine Kinase," Bioorganic & Medicinal Chemistry, Vol. 4, No. 5, pp. 677-682, 1996
		Lu, Yi-An et al., "Solid-phase synthesis of amino-, carboxy- and side-chain pegylated peptides," Int. J. Peptide Protein Res. 43, 1994, 127-138
		Lutz, Manfred P. et al., "A Nonradioactive Fluorescent Gel-Shift Assay for the Analysis of Protein Phosphatase and Kinase Activities toward Protein-Specific Peptide Substrates," Analytical Biochemistry 220, 268-274 (1994)
		Pomroy, Neil C. et al., "Solubilization of Hydrophobic Peptides by Reversible Cysteine PEGylation," Biochemical and Biophysical Research Communications, 245, 618-621 (1998)
		Songyang, Zhou et al., "Use of an oriented peptide library to determine the optimal substrates of protein kinases," Current Biology, 1994, 4: 973-982
		Srinivasan, Jaya et al., "The design of peptide-based substrates for the cdc2 protein kinase," Biochem. J. (1995) 309, 927-931
MCE		Thorsteindóttir, Margrét et al., "Capillary electroseparations of enkephalin-related peptides and protein kinase A peptide substrates," Electrophoresis 1995, 16, 564-573

OC-80772.1 EXAMINER: Not Yet Assigned	DATE CONSIDERED:
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

257/24

SERIAL NO.

09/775,840

#3

APPLICANT:

Brian P. Dwyer and John R. Havens

FILING DATE:

January 1, 1998

GROUP:

Not Yet Assigned

ML6		Till, Jeffrey H. et al., "Use of Synthetic Peptide Libraries and Phosphopeptide-selective Mass Spectrometry to Probe Protein Kinase Substrate Specificity," J. Biol. Chem. 269:7423-7428 (1994)
↓		Wu W.-S et al., "Analysis of Src Kinase and Protein Kinase C Activity by Capillary Electrophoresis and Laser-Induced Fluorescence," Analytical Biochemistry, 269, 423-425 (1999)
mas		Yaffe, Michael B. et al., "A motif-based profile scanning approach for genome-wide prediction of signaling pathways," Nature Biotechnology, 19, 348-353 (2001)



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